

AERO

R32 PREMIUM INVERTER CEILING CASSETTE

HF Series

ACSON
International

MyECO
R32

Inverter

WiFi



MY Acson

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CEILING CASSETTE HF SERIES



MyECO **R32** **inverter**



Model: A3CKY20HF - A3CKY50HF

Nominal Cooling Capacity:
18,500 to 48,000 btu/hr

Power Input: 1.35 to 4.54 kW

Product Line Up

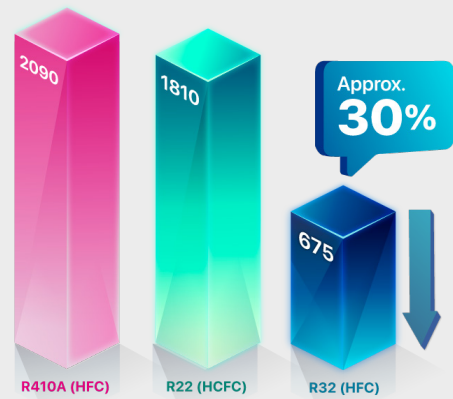
Indoor Unit						
2.0 HP	2.5 HP	2.8 HP	3.0 HP	3.5 HP	4.0 HP	5.0 HP
						
A3CKY20HF	A3CKY25HF	A3CKY28HF	A3CKY30HF	A3CKY35HF	A3CKY40HF	A3CKY50HF
Outdoor Unit						
Power from Outdoor [220-240V / 1 Phase / 50Hz]						
						
A3LCY20H	A3LCY25H	A3LCY28H	A3LCY30H	A3LCY35H	A3LCY40H	A3LCY50H

R32 REFRIGERANT

Greenery Refrigerant



Acson MyEco offers eco-friendly products which lead to a more environmentally friendly and sustainable future. R32 refrigerant contributes to zero ozone depletion potential and the reduction of global warming potential up to 30% when compared with R410A and R22 refrigerant.

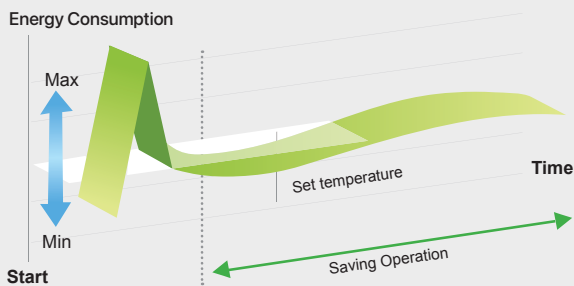


INVERTER TECHNOLOGY

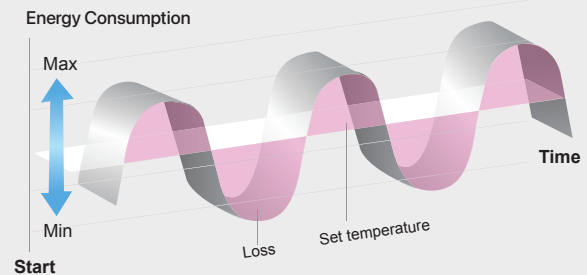
Inverter technology controls the compressor's speed accordingly to continuously regulate the room's temperature. The compressor is not running constantly at full power, as the system utilizes a controlled compressor that works at variable speed settings. This consequently leads to much more energy efficient and better cooling comfort.

ENERGY SAVING

When the indoor temperature reaches the set temperature, inverter technology will adjust to low-capacity operation to maintain the set temperature. This makes inverter technology more energy-saving than non-inverter technology, which must repeatedly start and stop its compressor's operation to maintain the set temperature, which can be costly endeavor.



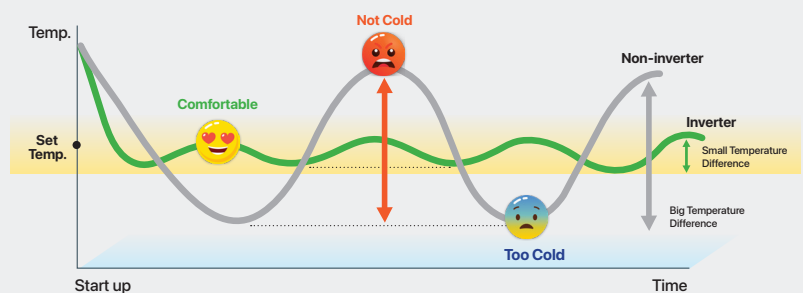
INVERTER: AC will cool with maximum capacity at start up then the compressor will adjust its speed accordingly to continuously regulate the room's temperature.



NON INVERTER: It maintains the temperature by repeatedly switching power ON and OFF. The repeated ON and OFF operations will result in more electric consumption due to bigger temperature fluctuations.

COOLING COMFORT

Inverter's compressor speed is controlled at a variable speed which provides a more precise, on-demand approach to temperature control, whereas the non-inverter system uses a fixed-speed compressor, which cycles the unit on and off, resulting in unpleasant temperature swings.



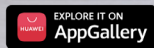
FEATURE | INVERTER CEILING CASSETTE

INDIVIDUAL FLAP CONTROL

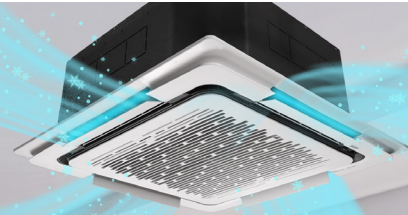
Precisely control each flap independently to customise airflow direction, delivering personalised comfort for different room layouts and conditions. With 5 adjustable flap positions, airflow can be tailored to suit different room configurations and comfort requirements.



MY Acson

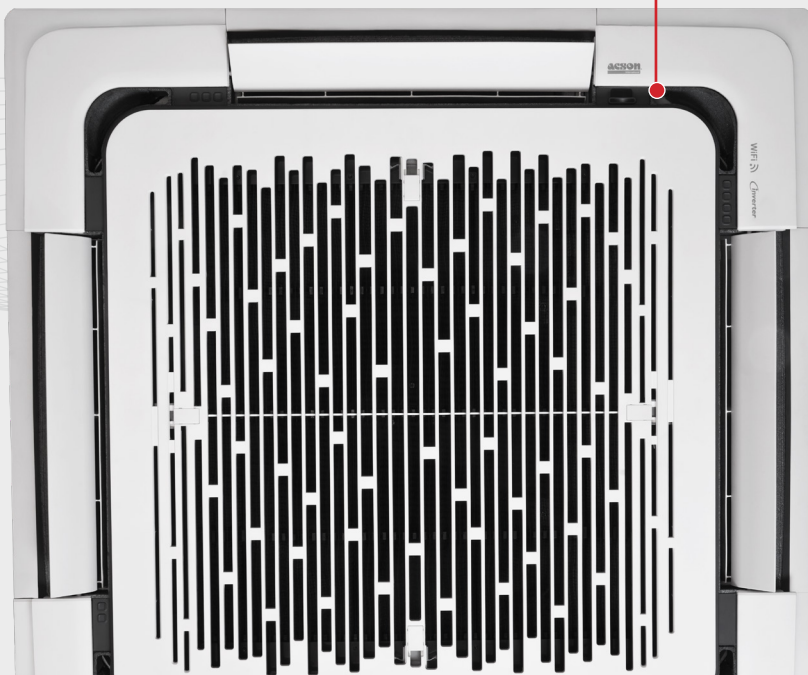


**Settings applicable via the MyAcson App or wired controller.*



PANEL LED INDICATOR LIGHTS

A simple yet intuitive LED indicator light bar keeps you informed of the unit's operating status without causing unnecessary visual disturbance.



**COOLING
MODE**



**TIMER
MODE**

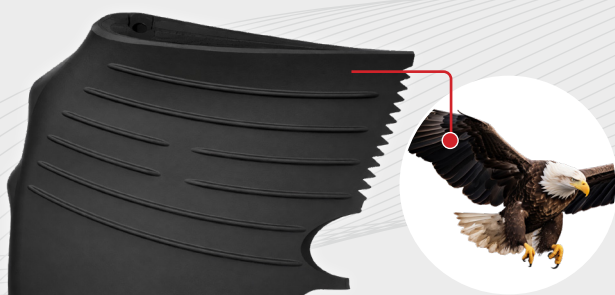


**SAVE
MODE**

ENHANCED AIRFLOW WITH NEW TURBO FAN

The new A3CKY-HF indoor unit features a newly designed turbo fan with optimised fan fins that cut through the air more efficiently, reducing airflow resistance and improving overall fan efficiency.

This enhanced design delivers higher airflow performance while maintaining a low sound pressure level, providing powerful air circulation with minimal increase in operating noise.



Inspired by the aerodynamic shape of an eagle's wings, the newly designed turbo fan features optimised fins that cut through the air more smoothly. This innovative design enhances airflow efficiency, achieving over 20% higher airflow on average.

Delivers a powerful air throw of up to 12 m, enabling cool air to reach farther into the room for more effective air distribution and consistent cooling comfort across larger spaces.

**The air throw distance is determined based on wind velocity of 0.25m/s and above.*



AIR FLOW PERFORMANCE



FILTRONZ+ FILTER

ANTI VIRUS TECHNOLOGY

FILTRONZ+
ANTI VIRUS TECHNOLOGY

Acson R32 Ceiling Cassette comes with Filtronz+ filter, Anti Virus Technology as standard which proven effectively decompose virus and reduce bacteria & fungus on the filter surface.

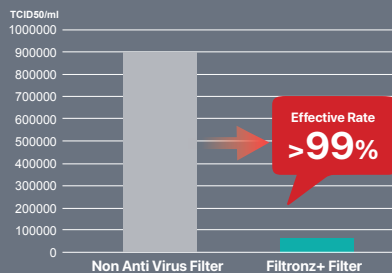
- 99% effectiveness in decomposing virus and reducing bacteria & fungus.
- Environmentally friendly and recyclable.
- Non-toxic & non-hazardous, skin-friendly.
- Suitable for residential and light commercial application.

**Recommended to clean the filter once every two weeks to deliver consistent performance around a year.*



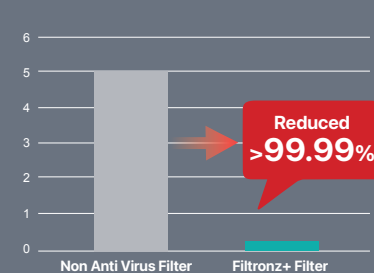
Decomposition of Viruses

The effectiveness rate of virus decomposition is increased by 99% in 2 hours



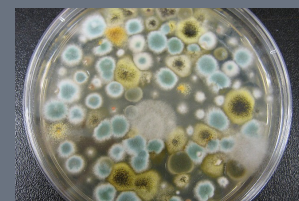
Reduction of Bacteria

The effectiveness rate of bacteria reduction is more than 99.99% in 24 hours



Reduction of Fungus

Generation of fungus achieved Grade 0 in 24 hours (No fungus visible under the microscope)

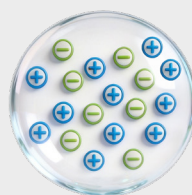


**Image is for illustration purposes*

PLUSMA TECHNOLOGY

Acson PLUSMA™ utilises advanced cold plasma technology to generate abundant positive and negative ions that help neutralise odours and purify the air. It helps create a fresher and more comfortable indoor environment, supporting a healthier lifestyle.

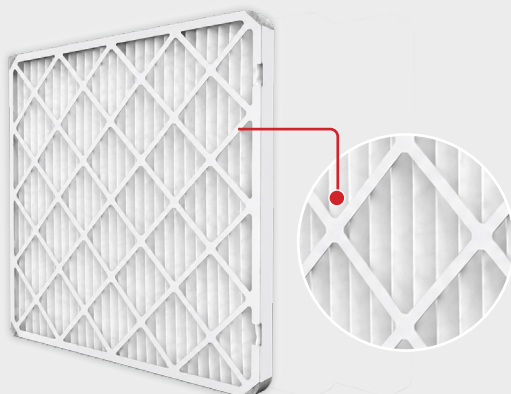
PLUSMA
Deodorize! Sterilize! Purify!



PLUSMA generates massive amount of positive IONS and even more negative IONS.



Function to Sterilize and neutralize harmful virus and bacteria.



MERV 8 FILTRATION (OPTIONAL ACCESSORY)

The MERV 8 filter provides enhanced filtration performance, capturing at least 70% of particles in the 3.0–10.0 μm size range. It also captures 20% or more of particles in the 1.0–3.0 μm range, helping reduce airborne dust, pollen and other larger airborne particles for cleaner indoor air.

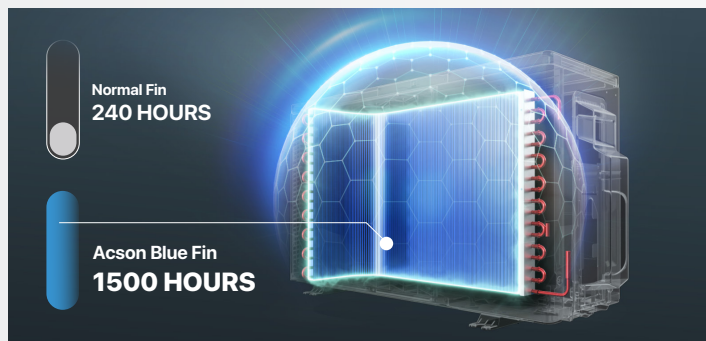
PROTECTION & RELIABILITY FOR OUTDOOR UNIT

01 ENHANCED PROTECTION AGAINST PEST INTRUSION

A newly designed PCB enclosure helps prevent lizard and other pest intrusion, reducing the risk of PCB damage and improving overall product reliability. With a ≤ 2.5 mm gap specification applied to the PCB enclosure, the design helps minimise potential entry points and contributes to a more reliable and durable cooling system.



** Only applicable for 2.0HP-3.5HP.*



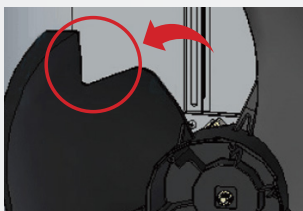
02 ANTI CORROSION BLUE FIN

The outdoor unit is protected with anti corrosion blue fin, which is a type of protective layer coating on the fin which can prolong the lifespan of the unit. With anti corrosion blue fin, the condensor coil is more resistant to corrosion, rust and rain without affect the cooling performance.

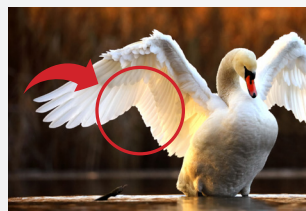
03 HIGH RELIABILITY OUTDOOR UNITS

The HF Series outdoor units from 2.0 HP to 3.5 HP come standard with Blue Fin coating.

For 4.0 HP & 5.0 HP, the outdoor units feature microchannel heat exchangers, offering a compact and efficient heat exchange design while contributing to improve durability and overall system performance.



V-cut Propeller Fan



Imitating the performance of the swan

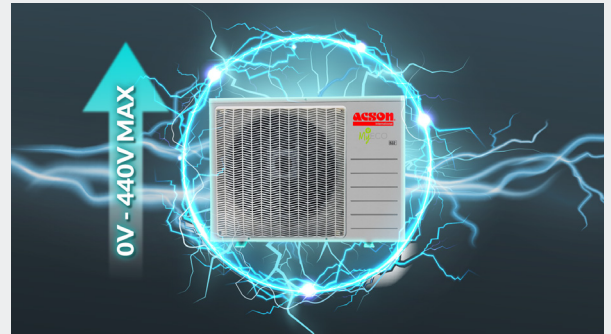
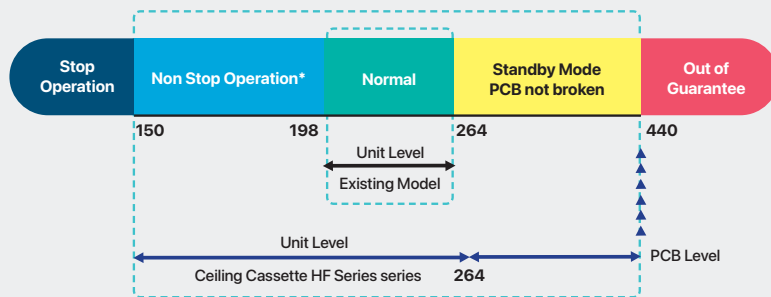
04 V-CUT PROPELLER FAN

Through the use of a V-cut propeller fan that imitates the efficiency of the swan, migratory bird where the airflow becomes smooth and loss is reduced. Therefore, the performance increases tremendously.

CONFIDENCE THAT LASTS

ULTRA PRINTED CIRCUIT BOARD (PCB)

Acson's ULTRA Printed Circuit Board (PCB) are specially strengthened to withstand voltage fluctuations. This allow our PCB to operate across wide ranges of voltages in areas with unstable power supply. With new ULTRA PCB, the air conditioner unit are able to operate at 150V to 264V, and able to withstand voltage fluctuations from 0V to 440V.



DC DRAIN PUMP FOR GREATER DRAINAGE PERFORMANCE

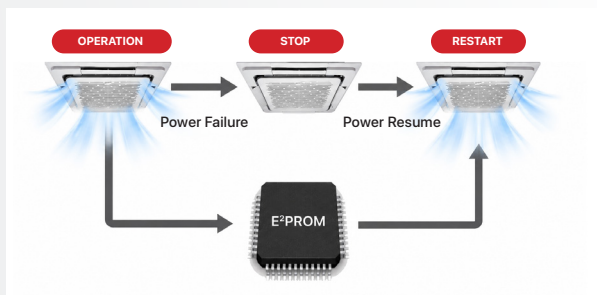
The newly designed DC drain pump delivers enhanced drainage performance with a maximum pump head of 850 mm, providing greater installation flexibility and supporting a wider range of site conditions. Featuring a built-in float switch, the integrated design combines the drain pump and float switch into a single component, simplifying maintenance and reducing service time compared to conventional separate components.



DOUBLE PROTECTION

Automatic Restart

When there is sudden power failure, the unit can restart automatically and recovering the last setting condition once the power supply is back.



Self Diagnosis System

Errors can be detected and displayed by blinking LEDs with a series of sensors and intelligent control board to inform user the detected malfunctions.

PEACE OF MIND WARRANTY SERVICE

Acson products are designed with durable & reliable quality. Our units are come with 5 years warranty for compressor and 1 year warranty for general parts.



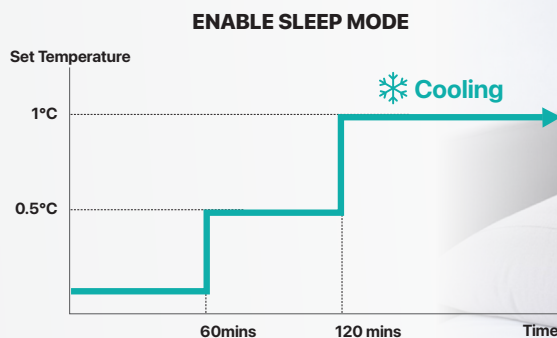
*1st year free labour and compressor.

*2nd - 5th year free compressor only.

COMFORT CONTROL ON YOUR NEEDS

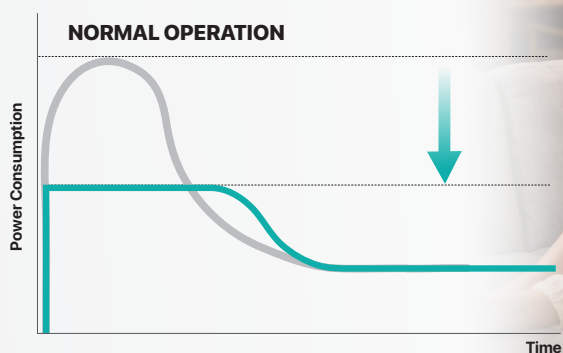
| SLEEP MODE

Sleep Mode automatically adjusts the set temperature based on typical sleeping patterns, maintaining a comfortable environment throughout the night. When activated, the LED display also dims to minimise light disturbance, helping create a more relaxing and restful sleep experience.



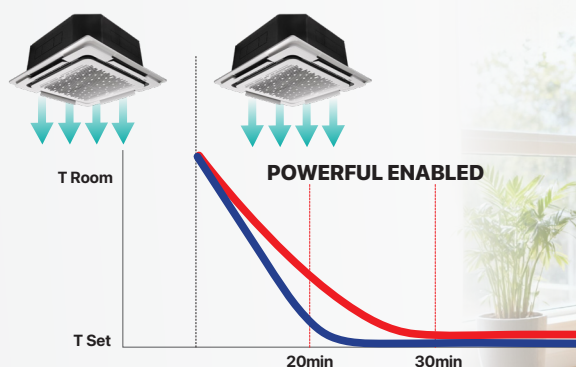
| SAVE MODE

Save Mode intelligently optimises energy consumption by limiting compressor frequency, reducing maximum operating current and power consumption by approximately 30% while maintaining the user's preferred set temperature.



| TURBO MODE

Powerful Operation boosts airflow to the maximum volume at the highest fan speed for 20 minutes, delivering rapid cooling before automatically returning to the previous settings.



MY ACSON, MY CONTROL

Built in Wi-Fi: R32 Ceiling Cassette, A3CK-CF, A3CK-GF, A3CKY-GF & A3CKY-HF Series

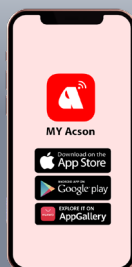
Scan for My Acson Wifi Adaptor
Installation and Pairing Video.



Pairing Steps

Step 1: Download and Sign Up

Download "MY Acson" app from App Store (iOS) or Google Play (Android).



Step 2: Add a new unit

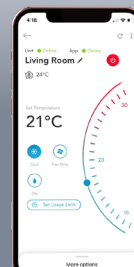
Tap " " to add new air conditioner unit. Scan the QR code stickers that can be found on the WIFI Adaptor, inside WIFI Adaptor box or warranty card*.

*WIFI built-in unit only



Step 3: Pair up success.

You can control your air conditioner with just a single tap on your mobile screen now.



Fan Speed & Temperature



User Sharing & Zoning



Weekly Timer



Operation Mode



Error Code & History



ON/OFF

LIVE SMART WITH VOICE CONTROL

The introduction of Amazon Alexa compatibility to our air conditioners providing you a chance to have a smart home system with total climate control and comfort. Hands-free tasks by using voice control like turning the air conditioners on and off, managing the temperature and more.

Voice Control
One Command Multiple Air Conditioners

Amazon, Alexa, and all related marks are trademarks of Amazon.com, Inc. or its affiliates.



"Alexa, turn on Aircond for Bedroom."

"Alexa, set Living Room temperature to 23°C"



SPECIFICATION

INVERTER CEILING CASSETTE



Model	Indoor Unit		A3CKY20HF	A3CKY25HF	A3CKY28HF	A3CKY30HF	A3CKY35HF	A3CKY40HF	A3CKY50HF	
	Outdoor Unit		A3LCY20H	A3LCY25H	A3LCY28H	A3LCY30H	A3LCY35H	A3LCY40H	A3LCY50H	
Nominal Cooling Capacity			BTU/h	18,500 (7,800 - 19,100)	20,500 (8,900 - 21,500)	24,200 (10,900 - 27,300)	30,000 (14,300 - 34,100)	36,000 (17,100 - 38,200)	42,700 (19,500 - 47,800)	48,000 (21,200 - 52,900)
			kW	5.42 (2.30 - 5.60)	6.00 (2.60 - 6.30)	7.10 (3.20 - 8.00)	8.79 (4.20 - 10.00)	10.55 (5.00 - 11.20)	12.50 (5.70 - 14.00)	14.07 (6.20 - 15.50)
Nominal Running Current			A	6.01	6.97	8.62	10.60	14.90	16.20	19.90
Nominal Total Input Power			W	1,355	1,580	1,960	2,400	3,400	3,680	4,540
EER			W/W	4.00	3.80	3.62	3.66	3.10	3.40	3.10
CSPF			Wh/Wh	6.00	6.00	6.00	6.00	6.00	5.80	5.60
Power Source			V/Ph/Hz	220 - 240/1/50						
Indoor Unit	Air Flow (H/M/L)		CFM	1,020/830/710	1,020/830/710	1,020/830/710	1,310/1,090/910	1,310/1,090/910	1,310/1,090/910	1,310/1,090/910
	Sound Pressure Level (H/M/L)		dBA	44/39/35	44/39/35	44/39/35	48/43/38	48/43/38	49/45/41	49/45/41
	Unit Dimension (H x W x D)	Unit	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840
		Packaging	mm	263 x 880 x 880	263 x 880 x 880	263 x 880 x 880	305 x 880 x 880	305 x 880 x 880	305 x 880 x 880	305 x 880 x 880
	Panel Dimension (H x W x D)	Unit	mm	46 x 950 x 950	46 x 950 x 950	46 x 950 x 950	46 x 950 x 950	46 x 950 x 950	46 x 950 x 950	46 x 950 x 950
		Packaging	mm	137 x 1,017 x 1,006	137 x 1,017 x 1,006	137 x 1,017 x 1,006	137 x 1,017 x 1,006	137 x 1,017 x 1,006	137 x 1,017 x 1,006	137 x 1,017 x 1,006
	Unit Weight		kg	22	22	22	25	25	27	27
	Condensate Drain Size		mm	19						
Outdoor Unit	Sound Pressure Level (H/M/L/Q)		dBA	52	52	52	53	54	55	59
	Unit Dimension (H x W x D)	Unit	mm	615 x 845 x 300	615 x 845 x 300	615 x 845 x 300	695 x 930 x 350	695 x 930 x 350	990 x 940 x 320	990 x 940 x 320
		Packaging	mm	679 x 992 x 414	679 x 992 x 414	679 x 992 x 414	760 x 1,084 x 473	760 x 1,084 x 473	1,126 x 1,003 x 396	1,126 x 1,003 x 396
	Pipe Connection	Liquid	mm(in)	6.4 (1/4)	6.4 (1/4)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
		Gas	mm(in)	12.7 (1/2)	12.7 (1/2)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)
	Maximum Piping Length		m	30	30	30	50	50	50	50
	Maximum Piping Height		m	15	15	15	30	30	30	30
Refrigerant Type				R32						

Notes:

- All specifications are subjected to change by the manufacturer without prior notice
- Nominal Cooling Capacity is based on the conditions : Cooling 27°C DB/ 19°C WB indoor and 35°C DB outdoor



Remote Controller
(Default)



Wired Controller
(Optional Accessory)



*1st year free labour and compressor.
*2nd - 5th year free compressor only.



ACSON MALAYSIA SALES & SERVICE SDN.BHD.
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Business Registration NO.198401017130 (129688-D)

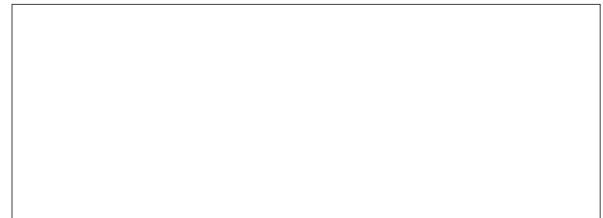
No. 7A, Jalan 13/4, Seksyen 13, 46200 Petaling Jaya,
Selangor Darul Ehsan, MALAYSIA.

Tel : +603 7964 8200 Sales Fax : +603 7956 9909

Service Fax : +603 7956 9907 Acson Careline : 1300 22 3344

Penang	: +604-5377 176	Pahang	: +609-5178 696
Perak	: +605-3129 828	Kelantan	: +609-7405 233
Melaka	: +606-2926 196	Sarawak	: +6082-344 128
Johor	: +607-3551 599	Sabah	: +6088-420 205

Authorized Dealer :



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